

*Handwritten signature*

## **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/601,644  
Source: PCT09  
Date Processed by STIC: 8/29/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

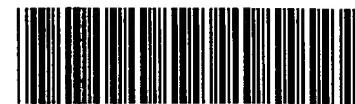
**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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PCT09

**Does Not Comply**  
**Corrected Diskette Needed**

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/601,644

DATE: 08/29/2002

TIME: 13:54:31

*Error on p.2*

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\08292002\I601644.raw

```

3 <110> APPLICANT: The Ontario Cancer Institute
5 <120> TITLE OF INVENTION: Cytotoxic Heteromeric Protein Combinatorial Libraries
7 <130> FILE REFERENCE: 34104-0079
9 <140> CURRENT APPLICATION NUMBER: 09/601,644
10 <141> CURRENT FILING DATE: 1998-12-08
12 <150> PRIOR APPLICATION NUMBER: PCT/CA98/01137
13 <151> PRIOR FILING DATE: 1998-12-08
15 <150> PRIOR APPLICATION NUMBER: CA2,222,993
16 <151> PRIOR FILING DATE: 1998-02-04
18 <160> NUMBER OF SEQ ID NOS: 4
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 293
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
30 <400> SEQUENCE: 1
31 Lys Glu Phe Thr Leu Asp Phe Ser Thr Ala Lys Thr Tyr Val Asp Ser
32 1 5 10 15
34 Leu Asn Val Ile Arg Ser Ala Ile Gly Thr Pro Leu Gln Thr Ile Ser
35 20 25 30
37 Ser Gly Gly Thr Ser Leu Leu Met Ile Asp Ser Gly Ser Gly Asp Asn
38 35 40 45
40 Leu Phe Ala Val Asp Val Arg Gly Ile Asp Pro Glu Glu Gly Arg Phe
41 50 55 60
43 Asn Asn Leu Arg Leu Ile Val Glu Arg Asn Asn Leu Tyr Val Thr Gly
44 65 70 75 80
46 Phe Val Asn Arg Thr Asn Asn Val Phe Tyr Arg Phe Ala Asp Phe Ser
47 85 90 95
49 His Val Thr Phe Pro Gly Thr Thr Ala Val Thr Leu Ser Gly Asp Ser
50 100 105 110
52 Ser Tyr Thr Thr Leu Gln Arg Val Ala Gly Ile Ser Arg Thr Gly Met
53 115 120 125
55 Gln Ile Asn Arg His Ser Leu Thr Thr Ser Tyr Leu Asp Leu Met Ser
56 130 135 140
58 His Ser Gly Thr Ser Leu Thr Gln Ser Val Ala Arg Ala Met Leu Arg
59 145 150 155 160
61 Phe Val Thr Val Thr Ala Glu Ala Leu Arg Phe Arg Gln Ile Gln Arg
62 165 170 175
64 Gly Phe Arg Thr Thr Leu Asp Asp Leu Ser Gly Arg Ser Tyr Val Met
65 180 185 190
67 Thr Ala Glu Asp Val Asp Leu Thr Leu Asn Trp Gly Arg Leu Ser Ser

```

## RAW SEQUENCE LISTING

DATE: 08/29/2002

PATENT APPLICATION: US/09/601,644

TIME: 13:54:31

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\08292002\I601644.raw

```

68          195          200          205
70 Val Leu Pro Asp Tyr His Gly Gln Asp Ser Val Arg Val Gly Arg Ile
71          210          215          220
73 Ser Phe Gly Ser Ile Asn Ala Ile Leu Gly Ser Val Ala Leu Ile Leu
74 225          230          235          240
76 Asn Cys His His His Ala Ser Arg Val Ala Arg Met Ala Ser Asp Glu
77          245          250          255
79 Phe Pro Ser Met Cys Pro Ala Asp Gly Arg Val Arg Gly Ile Thr His
80          260          265          270
82 Asn Lys Ile Leu Trp Asp Ser Ser Thr Leu Gly Ala Ile Leu Met Arg
83          275          280          285
85 Arg Thr Ile Ser Ser
86          290

```

89 &lt;210&gt; SEQ ID NO: 2

90 &lt;211&gt; LENGTH: 69

91 &lt;212&gt; TYPE: PRT

92 &lt;213&gt; ORGANISM: Artificial Sequence

94 &lt;220&gt; FEATURE:

95 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:Primer

97 &lt;400&gt; SEQUENCE: 2

98 Thr Pro Asp Cys Val Thr Gly Lys Val Glu Tyr Thr Lys Tyr Asn Asp

99 1 5 10 15

101 Asp Asp Thr Phe Thr Val Lys Val Gly Asp Lys Glu Leu Phe Thr Asn

102 20 25 30

104 Arg Trp Asn Leu Gln Ser Leu Leu Ser Ala Gln Ile Thr Gly Met

105 35 40 45

107 Thr Val Thr Ile Lys Thr Asn Ala Cys His Asn Gly Gly Gly Phe Ser

108 50 55 60

110 Glu Val Ile Phe Arg

111 65

114 &lt;210&gt; SEQ ID NO: 3

115 &lt;211&gt; LENGTH: 94

116 &lt;212&gt; TYPE: DNA

117 &lt;213&gt; ORGANISM: Artificial Sequence

119 &lt;220&gt; FEATURE:

120 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:Primer

122 &lt;400&gt; SEQUENCE: 3

W--&gt; 123 aaggtggagt atacaaaata taatnnsnns nnsnnsnnsa cagttaaagt gggtgataaa 60

W--&gt; 124 gaattannsn nsnnnsnnstg gaatcttcag tctc 94

127 &lt;210&gt; SEQ ID NO: 4

128 &lt;211&gt; LENGTH: 128

129 &lt;212&gt; TYPE: DNA

130 &lt;213&gt; ORGANISM: Artificial Sequence

132 &lt;220&gt; FEATURE:

133 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:Primer

135 &lt;400&gt; SEQUENCE: 4

136 tacgtactgc agctcgagtc aacgaaaaat aacttcgctg aatccaccgc cattatggca 60

137 cgcgttagtt ttaatggta cagtcatacc ggtaatttgc gactgagaa gaagagactg 120

138 aagattcc 128

→ ns detected in sequence.  
See p. 3 for explanation  
+4

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/601,644

DATE: 08/29/2002  
TIME: 13:54:32

Input Set : A:\seqlist.txt  
Output Set: N:\CRF3\08292002\I601644.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 25,26,28,29,31,32,34,35,37,38,67,68,70,71,73,74,76,77

VARIABLE LOCATION SUMMARY

DATE: 08/29/2002

PATENT APPLICATION: US/09/601,644

TIME: 13:54:32

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\08292002\I601644.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:3; N Pos. 25,26,28,29,31,32,34,35,37,38,67,68,70,71,73,74,76,77

## VERIFICATION SUMMARY

DATE: 08/29/2002

PATENT APPLICATION: US/09/601,644

TIME: 13:54:32

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\08292002\I601644.raw

L:123 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:123 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:124 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:124 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:60